

Globally Harmonized System of Classification and Labelling of  
Chemicals (GHS)

## ROTOSTAR Aqua FPG 74014 Silver

Version 2.0

Revision Date 10.12.2019

Print Date 06.08.2020

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Trade name : ROTOSTAR Aqua FPG 74014 Silver  
Material number : 025404HX0

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

This information is not available.

#### 1.3 Details of the supplier of the safety data sheet

Company :  
  
Telephone :  
Telefax :  
E-mail address : msds.eckart@altana.com  
Responsible/issuing person

#### 1.4 Emergency telephone number

**NCEC:**

(contract no.: ECKART29003-NCEC)

+44 1235 239671 (Middle East/Africa, call and response in your language)

+1 215 207 0061 (Americas, call and response in your language)

+65 3158 1074 (Asia-Pacific, call and response in your language)

### SECTION 2: Hazards identification

**GHS Classification**

: Skin corrosion/irritation, Category 3, H316

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

## ROTOSTAR Aqua FPG 74014 Silver

Version 2.0

Revision Date 10.12.2019

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### GHS-Labeling

Signal word : Warning

Hazard statements : H316: Causes mild skin irritation.

Precautionary statements : **Response:**  
P332 + P313 If skin irritation occurs: Get medical advice/  
attention.

### Hazardous components which must be listed on the label

## SECTION 3: Composition/information on ingredients

Substance No. :

### Hazardous components

Chemical name	CAS-No. EINECS-No.	Classification and labelling	Concentration[%]
aluminium powder (stabilised)	7429-90-5 231-072-3	Flam. Sol.;1;H228	10 - 20
Phosphoric acid, C11-14-isoalkyl esters, C13-rich	154518-38-4 (52933-07-0)	;2;H315 ;1;H318 Aquatic Acute;2;H401 Aquatic Chronic;2;H411	1 - 2,5

For the full text of the H-Statements mentioned in this Section, see Section 16.

**ROTOSTAR Aqua FPG 74014 Silver**

Version 2.0

Revision Date 10.12.2019

Print Date 06.08.2020

**SECTION 4: First aid measures****4.1 Description of first aid measures**

- General advice : No hazards which require special first aid measures.
- If inhaled : If unconscious, place in recovery position and seek medical advice.  
If symptoms persist, call a physician.
- In case of skin contact : If skin irritation persists, call a physician.  
If on skin, rinse well with water.  
If on clothes, remove clothes.
- In case of eye contact : Flush eyes with water as a precaution.  
Remove contact lenses.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
Do not give milk or alcoholic beverages.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.

**4.2 Most important symptoms and effects, both acute and delayed**

This information is not available.

**4.3 Indication of any immediate medical attention and special treatment needed**

This information is not available.

**SECTION 5: Firefighting measures****5.1 Extinguishing media**

This information is not available.

**ROTOSTAR Aqua FPG 74014 Silver**

Version 2.0

Revision Date 10.12.2019

Print Date 06.08.2020

**5.2 Special hazards arising from the substance or mixture**

This information is not available.

**5.3 Advice for firefighters**

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : Standard procedure for chemical fires. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**SECTION 6: Accidental release measures****6.1 Personal precautions, protective equipment and emergency procedures**

Personal precautions : Use personal protective equipment.

**6.2 Environmental precautions**

Environmental precautions : Prevent further leakage or spillage if safe to do so.  
If the product contaminates rivers and lakes or drains inform respective authorities.

**6.3 Methods and materials for containment and cleaning up**

Methods for cleaning up : Wipe up with absorbent material (e.g. cloth, fleece).  
Do not flush with water.  
Keep in suitable, closed containers for disposal.

**6.4 Reference to other sections**

This information is not available.

**ROTOSTAR Aqua FPG 74014 Silver**

Version 2.0

Revision Date 10.12.2019

Print Date 06.08.2020

**SECTION 7: Handling and storage**
**7.1 Precautions for safe handling**

- Advice on safe handling : Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Dispose of rinse water in accordance with local and national regulations.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Hygiene measures : When using do not eat or drink. When using do not smoke. Wash hands before breaks and at the end of workday.

**7.2 Conditions for safe storage, including any incompatibilities**

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place. Electrical installations / working materials must comply with the technological safety standards.
- Other data : No decomposition if stored and applied as directed.

**7.3 Specific end use(s)**

This information is not available.

**SECTION 8: Exposure controls/personal protection**
**8.1 Control parameters**
**Germany:**

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Update	Basis

**ROTOSTAR Aqua FPG 74014 Silver**

Version 2.0

Revision Date 10.12.2019

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aluminium powder (stabilised)	7429-90-5	AGW (Inhalable fraction)	10 mg/m <sup>3</sup>	2014-04-02	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)				
Further information	Commission for dangerous substancesSenate commission for the review of compounds at the work place dangerous for the health (MAK-commission).				
aluminium powder (stabilised)	7429-90-5	AGW (Alveolate fraction)	1,25 mg/m <sup>3</sup>	2014-04-02	DE TRGS 900
Peak-limit: excursion factor (category)	2;(II)				
Further information	Commission for dangerous substancesSenate commission for the review of compounds at the work place dangerous for the health (MAK-commission).				

## 8.2 Exposure controls

### Personal protective equipment

Eye protection : Safety glasses

Hand protection

Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Skin and body protection : Choose body protection according to the amount and concentration of the dangerous substance at the work place.

### Environmental exposure controls

General advice : Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

**ROTOSTAR Aqua FPG 74014 Silver**

Version 2.0

Revision Date 10.12.2019

Print Date 06.08.2020

**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties**

Appearance	: liquid
Colour	: silver
Odour	: characteristic
pH	: No data available
Freezing point	: No data available
Boiling point/boiling range	: > 100 °C
Flash point	: > 100 °C
Bulk density	: No data available
Flammability (solid, gas)	: No data available
Auto-flammability	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Density	: No data available
Solubility(ies)	
Water solubility	: partly miscible
Miscibility with water	: immiscible
Solubility in other solvents	: No data available
Partition coefficient: n-octanol/water	: No data available
Ignition temperature	: No data available
Thermal decomposition	: No data available

**ROTOSTAR Aqua FPG 74014 Silver**

Version 2.0

Revision Date 10.12.2019

Print Date 06.08.2020

Viscosity, dynamic : No data available  
Viscosity, kinematic : No data available  
Flow time : No data available

**9.2 Other information**

No data available

**SECTION 10: Stability and reactivity****10.1 Reactivity**

No decomposition if stored and applied as directed.

**10.2 Chemical stability**

No decomposition if stored and applied as directed.

**10.3 Possibility of hazardous reactions**

Hazardous reactions : Stable under recommended storage conditions.

**10.4 Conditions to avoid**

Conditions to avoid : No data available

**10.5 Incompatible materials**

Materials to avoid : No data available

**10.6 Hazardous decomposition products**

Hazardous decomposition products : No data available

Other information : No data available



**ROTOSTAR Aqua FPG 74014 Silver**

Version 2.0

Revision Date 10.12.2019

Print Date 06.08.2020

**SECTION 11: Toxicological information****11.1 Information on toxicological effects****Acute toxicity**

No data available

**Skin corrosion/irritation****Product**

May cause skin irritation and/or dermatitis.

**Serious eye damage/eye irritation****Product**

Result: No eye irritation

Vapours may cause irritation to the eyes, respiratory system and the skin.

**Respiratory or skin sensitisation**

No data available

**Carcinogenicity**

No data available

**Toxicity to reproduction/fertility**

No data available

**Reprod.Tox./Development/Teratogenicity**

Globally Harmonized System of Classification and Labelling of  
Chemicals (GHS)

## ROTOSTAR Aqua FPG 74014 Silver

Version 2.0

Revision Date 10.12.2019

Print Date 06.08.2020

No data available

### STOT - single exposure

No data available

### STOT - repeated exposure

No data available

### Aspiration toxicity

No data available

### Further information

#### Product

No data available

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## SECTION 12: Ecological information

### 12.1 Toxicity

#### Components:

#### **Phosphoric acid, C11-14-isoalkyl esters, C13-rich (154518-38-4) :**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 24 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 6,31 mg/l  
aquatic invertebrates Exposure time: 48 h

Toxicity to algae : EC50 (algae): 150 mg/l  
Exposure time: 72 h

**ROTOSTAR Aqua FPG 74014 Silver**

Version 2.0

Revision Date 10.12.2019

Print Date 06.08.2020

**12.2 Persistence and degradability**

No data available

**12.3 Bioaccumulative potential**

No data available

**12.4 Mobility in soil**

No data available

**12.5 Results of PBT and vPvB assessment**

No data available

**12.6 Other adverse effects****Product:**

Additional ecological information : No data available

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**SECTION 13: Disposal considerations****13.1 Waste treatment methods**Product : Do not dispose of waste into sewer.  
Do not contaminate ponds, waterways or ditches with  
chemical or used container.  
Send to a licensed waste management company.  
In accordance with local and national regulations.

Contaminated packaging : Empty remaining contents.

**ROTOSTAR Aqua FPG 74014 Silver**

Version 2.0

Revision Date 10.12.2019

Print Date 06.08.2020

Dispose of as unused product.  
Do not re-use empty containers.  
In accordance with local and national regulations.

**SECTION 14: Transport information****14.1 UN number****ADR**

Not dangerous goods

**TDG**

Not dangerous goods

**CFR**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

:

**IATA**

: Not permitted for transport

**14.2 Proper shipping name****ADR**

Not dangerous goods

**TDG**

Not dangerous goods

**CFR**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

:

Not permitted for transport

**ROTOSTAR Aqua FPG 74014 Silver**

Version 2.0

Revision Date 10.12.2019

Print Date 06.08.2020

**14.3 Transport hazard class****ADR**

Not dangerous goods

**TDG**

Not dangerous goods

**CFR**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA**

: Not permitted for transport

**14.4 Packing group****ADR**

Not dangerous goods

**TDG**

Not dangerous goods

**CFR**

Not dangerous goods

**IMDG**

Not dangerous goods

**IATA****(Cargo)**

: Not permitted for transport

**(Passenger)**

: Not permitted for transport

**14.5 Environmental hazards****14.6 Special precautions for user**

Globally Harmonized System of Classification and Labelling of Chemicals (GHS)

## ROTOSTAR Aqua FPG 74014 Silver

Version 2.0

Revision Date 10.12.2019

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Not classified as dangerous in the meaning of transport regulations.

Due to the risk of hydrogen development we recommend to refrain from airfreighting this/these product(s).

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No data available

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

**Prohibition/Restriction**

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Not applicable

**Prohibition/Restriction**

Regulation (EC) No 1005/2009 on substances that deplete the ozone layer : Not applicable

**Prohibition/Restriction**

Regulation (EC) No 850/2004 on persistent organic pollutants : Not applicable

### 15.2 Chemical safety assessment

No data available

Globally Harmonized System of Classification and Labelling of  
Chemicals (GHS)

**ROTOSTAR Aqua FPG 74014 Silver**

Version 2.0

Revision Date 10.12.2019

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**SECTION 16: Other information****Full text of H-Statements**

H228 : Flammable solid.  
H315 : Causes skin irritation.  
H316 : Causes mild skin irritation.  
H318 : Causes serious eye damage.  
H401 : Toxic to aquatic life.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.